

A. PLANT	Chemical Waste Management, Inc. State Highway 17 Mile Marker 163 Emelle, Alabama 36459
B. MATERIALS 1. Describe materials and any containers in which such materials are to be delivered to CONTRACTOR. Specify whether such containers are to be provided by UNION CARBIDE or CONTRACTOR and specify which containers are to be so provided, and when and where they are to be provided. If containers are to be returned to UNION CARBIDE, specify which containers, and when, where, via what means, and at whose expense such containers are to be returned.	PCB Capacitors and PCB Contaminated Solids packaged in four (4) fifty-five gallon metal clamped top drum
2. Additional Information (if dangerous or hazardous materials, attach sheet with detailed information on hazards and identify sheet here. Specify DOT shipping name and class and EPA description. Specify any special handling instructions.)	DOT Shipping Name - Waste Polychlorinated Biphenyls. Hazard Class - ORM-E I. D. No. UN 2315 RQ Reference: Waste Profile Sheet Code COL TSDR F89515 and Transformer Disposal Worksheet, attached hereto and made a part hereof. Contractor shall accept, unload and dispose of materials via shredding and incineration at its EPA approved incineration facility (identified in Paragraph "D" of this Exhibit "A") in accordance with all currently applicable federal, state and local laws and regulations, including, but not limited to, 40 CFR and federal DOT regulation 49C
C. WORK Describe work to be performed. (Indicate specific services to be performed, such as package, accept, load, transport, treat, store and dispose. Indicate method of treatment, storage and disposal. If CONTRACTOR has responsibility for marking and labeling containers in which Materials are to be tendered to CONTRACTOR or to perform any other service for UNION CARBIDE prior to delivery of Materials so specify. If treatment or storage is required so indicate and specify the treatment or storage location. Indicate any portion of the Work which is to be subcontracted and name of subcontractor.)	Union Carbide to affix all DOT and EPA marks and labels on drums and shall prepare all shipping papers and manifest.
D. DISPOSAL LOCATION Indicate nature and specific location of disposal area.	EPA approved incineration facility located at: Chemical Waste Management Emelle, Alabama EP ID No. ALD000622464

~~For~~ Disposal of 9, 10, 11, 12, 56, 30, 31, 32, 33, 34, 35  
CAPACITORS

SENT 10-1-86

CONTRACT SIGNED 10-8-86

## EXHIBIT "A" (Continued)

Waste Disposal Contract 100-88717Purchase Order No. 0380-509050

<p>E. QUANTITY (Specify quantity. If no definite quantity, describe how quantity is determined, such as, such quantity as UNION CARBIDE designates for the Work during period between _____ and _____).</p>	<p>One (1) Lot of four (4) fifty-five (55) gallon drums. Breakdown of individual drum numbers, weights, contents, capacitor serial numbers, mfg., etc. provided on Exhibit "C" attached hereto and made a part hereof.</p>
<p>F. ORDERING PROCEDURE AND SCHEDULES (Specify delivery schedule or procedure for ordering and scheduling deliveries of the Quantity of Materials. Also specify any time limit for a pickup after order is given).</p>	<p>Union Carbide shall notify Contractor _____ by phone at least one (1) day prior to shipment by Plant furnished transport vehicle to disposal location.</p>

UNION CARBIDE CORPORATION  
(UNION CARBIDE)

By J. W. Hammel  
 Title Purchasing Agent  
 Date Sept. 29, 1966

CHEMICAL WASTE MANAGEMENT INC.

By Andrew J. Thompson  
 Title Northern Region Sales Mgr.  
 Date 10/5/66

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A. QUANTITY MEASUREMENT (Specify method of measurement and place where it is to be conducted)	Drums will be weighed at Union Carbide Corporation, Specialty Chemicals Division, Sistersville, Tyler County, West Virginia, 26175. Plant prior to loading and shipping. *Total Weight = 1871 lbs. *Total weight includes drums.
B. CONTRACT PRICE	Disposal: Solids/capacitors in drums --(two dollars and twenty five cents) \$2:25 per pound, x gross weight.
C. INVOICING INSTRUCTIONS	Submit all invoices for work performed hereunder with reference to Union Carbide Corporation ID #0380-509050 to: Union Carbide Corporation P. O. Box 180 Sistersville, West Virginia 26175

UNION CARBIDE CORPORATION  
(UNION CARBIDE)By J. W. Hammett  
Title PURCHASING AGENT  
Date Sept. 29, 1986

CHEMICAL WASTE MANAGEMENT, INC.

By Andrew J. Flanagan  
Title Northern Region Sales Mgr.  
Date 10/07/86

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## EXHIBIT "C"

Waste Disposal Contract 100-88717Purchase Order No. 0380-509050

CAPACITORS	SERIAL #	DATE OUT OF SERVICE	DRUM #	PCB	PCB LBS/DRUM	MFGR	MODEL	TOTAL WT INCLUDING DRUM
Tag # 9	57189	10/02/85	1	17.6 Kg		Sprague	2043 PRD	
10	57187	10/02/85	1	17.6 Kg	116.2 Lb	"	"	520 lbs
11	57190	10/02/85	1	17.6 Kg		"	"	
12	57188	10/02/85	2	17.6 Kg		Sprague	2043 PRD	285 lbs
56	54661	2/11/86	2	17.6 Kg	77.5 Lb	"	"	
32	54755	12/26/85	3	17.6 Kg		Sprague	2043 PFD	
33	54751	12/26/85	3	17.6 Kg	116.2 Lb.	"	"	523 lbs
34	54755	12/26/85	3	17.6 Kg		"	"	
30	88222	12/26/85	4	17.6 Kg		Sprague	2043 PFD	
31	88802	12/26/85	4	17.6 Kg	116.2 Lb.	"	"	543 lbs
35	54754	12/26/88	4	17.6 Kg		"	"	

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TRANSFORMER DISPOSAL WORK SHEET

COMPANY NAME: UNION CARBIDE CORPORATION - SISTERSVILLE PLANT  
ADDRESS: P.O. BOX 180  
SISTERSVILLE, WV 26175  
EPA ID# WVD004325353  
TRANSFORMER SERIAL # \_\_\_\_\_  
~~XXXXXXXXXXXX~~  
PCB LEVEL \_\_\_\_\_ ppm \_\_\_\_\_  
~~XXXXXXXXXX~~ 100  
DATE TAKEN OUT OF SERVICE \_\_\_\_\_  
CAPACITOR  
~~TRANSFORMER~~ SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ WIDTH \_\_\_\_\_ HEIGHT \_\_\_\_\_ DIAMETER  
~~XXXXXXXXXXXX~~  
TOTAL CAPACITY \_\_\_\_\_ ~~XXXXXXXXXX~~ Kg  
APPROXIMATE WEIGHT \_\_\_\_\_  
SPECIAL COMMENTS PCB Capacitors Packed in Sorball in 55 Gallon Drums  
CAPACITOR # \_\_\_\_\_  
DRUM # \_\_\_\_\_  
CAPACITOR  
~~TRANSFORMER~~ WILL ARRIVE AT DISPOSAL SITE  
\_\_\_\_\_ DRAINED  
\_\_\_\_\_ DRAINED AND FLUSHED  
X \_\_\_\_\_ FULL AND INTACT  
(PLEASE ATTACH LETTER TO CERTIFY IF THE UNIT WAS DRAINED AND/OR FLUSHED)

Line items deleted at the request of Don Stanley.

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# Waste Management, Inc.

# GENERATOR'S WASTE MATERIAL PROFILE SHEET



WASTE PROFILE SHEET CODE

**COL**  
TSDR

F89515

## A. GENERAL INFORMATION

GENERATOR NAME: UNION CARBIDE CORPORATION TRANSPORTER: TRISTATE  
FACILITY ADDRESS: SISTERSVILLE PLANT TRANSPORTER PHONE: 1-800-641-7580  
P.O. BOX 180 GENERATOR USEPA I.D. W V D P P H 3 2 5 3 5 3  
SISTERSVILLE, WV 26175 GENERATOR STATE I.D. N/A  
TECHNICAL CONTACT: Jonathan Orr TITLE: Sr. Environmental Engineer PHONE: 304-652-3211 X-286  
NAME OF WASTE: Polychlorinated Biphenyl Contaminated Capacitors  
PROCESS GENERATING WASTE: Removal of PCB capacitors

## B PHYSICAL CHARACTERISTICS OF WASTE

COLOR  <div style="text-align: center;">N/A</div>		ODOR <input type="checkbox"/> NONE <input type="checkbox"/> MILD <input type="checkbox"/> STRONG DESCRIBE <u>N/A</u>		PHYSICAL STATE @ 70°F <input type="checkbox"/> SOLID <u>N/A</u> <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> POWDER		LAYERS <u>N/A</u> <input type="checkbox"/> MULTILAYERED <input type="checkbox"/> BI-LAYERED <input type="checkbox"/> SINGLE PHASED		FREE LIQUIDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO liquid contained in capacitors VOLUME <u>1</u> %	
pH: <input type="checkbox"/> < 2 <input type="checkbox"/> 7.1-10 <input checked="" type="checkbox"/> N/A <input type="checkbox"/> 2-4 <input type="checkbox"/> 10.1-12.5 <input type="checkbox"/> 4.1-6.9 <input type="checkbox"/> > 12.5 <input type="checkbox"/> 7 <input type="checkbox"/> EXACT <u>      </u>		SPECIFIC GRAVITY <input type="checkbox"/> < .8 <input type="checkbox"/> 1.3-1.4 <u>N/A</u> <input type="checkbox"/> .8-1.0 <input type="checkbox"/> 1.5-1.7 <input type="checkbox"/> 1.1-1.2 <input type="checkbox"/> > 1.7 <input type="checkbox"/> EXACT <u>      </u>		FLASH POINT <input type="checkbox"/> < 70°F <input type="checkbox"/> > 200°F <input type="checkbox"/> CLOSED CUP <u>N/A</u> <input type="checkbox"/> 70°F-100°F <input type="checkbox"/> NO FLASH <input type="checkbox"/> OPEN CUP <input type="checkbox"/> 101°F-139°F <input type="checkbox"/> EXACT <u>      </u> <input type="checkbox"/> 140°F-200°F					

**C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)**

[illegible]

## D METALS

TOTAL (ppm)		EPA EXTRACTION PROCEDURE (mg/L)	
ARSENIC (As)	N/A	SELENIUM (Se)	N/A
BARIUM (Ba)	N/A	SILVER (Ag)	N/A
CADMIUM (Cd)	N/A	COPPER (Cu)	N/A
CHROMIUM (Cr)	N/A	NICKEL (Ni)	N/A
MERCURY (Hg)	N/A	ZINC (Zn)	N/A
LEAD (Pb)	N/A	THALLIUM (Tl)	N/A
CHROMIUM-HEX (Cr + 6)		N/A	

**E OTHER COMPONENTS - TOTAL (PPM)**

CYANIDES N/A PCB'S Attached  
SULFIDES N/A PHENOLICS N/A

## F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Waste Polychlorinated Biphenyls

HAZARD CLASS: ORM-E I.D. NO. UN 2315 R.Q. 10 Lbs

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID

☒ DRUM (TYPE/SIZE) 17-H (55 gallon)

ANTICIPATED VOLUME: \_\_\_\_\_ GALS. \_\_\_\_\_ CUBIC YARDS

\_\_\_\_\_ OTHER 4 drums

PER: ☐ ONE TIME ☐ WEEK ☐ MONTH

☒ QUARTER ☐ YEAR ☐ \_\_\_\_\_

## G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE  
☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER \_\_\_\_\_

OTHER HAZARDOUS CHARACTERISTICS:  
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL  
☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER \_\_\_\_\_

USEPA HAZARDOUS WASTE? ☐ YES ☒ NO

USEPA HAZARDOUS CODE(S) \_\_\_\_\_

STATE HAZARDOUS WASTE? ☐ YES ☒ NO

STATE CODE(S) \_\_\_\_\_

## H SPECIAL HANDLING INFORMATION

PCB contaminated capacitors packed in Sorball in 55-gallon drums (4). For disposal purposes,  
consider PCB concentration as 100% contained.

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE	TITLE	DATE

**TITLE**

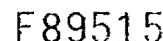
DATE \_\_\_\_\_

Sr. Environmental Engineer

September 5, 1986

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The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

#### PART A - GENERAL INFORMATION

**TRANSPORTER** - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.

**USEPA ID** - For the facility generating the waste. **STATE ID** - If applicable.

**TECHNICAL CONTACT** - A person who could give additional information about the waste if needed.

**WASTE NAME** - A name which will be generally descriptive of its major chemical composition.

**PROCESS GENERATING WASTE** - Specific process or source which generates the waste.

#### PART B - PHYSICAL CHARACTERISTICS OF WASTE

**WASTE** - If present, describe as well as possible (e.g. solvent, acid, sweet, etc.).

**PHYSICAL STATE** - Check as many as apply.

**FREE LIQUID** - If any as packaged for shipment, estimate percent of volume.

**pH** - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.

**SPECIFIC GRAVITY** - The weight of the waste in terms of the weight of an equal volume of water.

**FLASH POINT** - A value attained using the appropriate testing method as set forth in 40 CFR 261.

#### PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets, or other documents which adequately describe the composition of the waste. Indicate the percentage of each component or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTS D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTS D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

#### PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

#### PART E - OTHER COMPONENTS

Indicate if this PART (or any other PART) was obtained from a laboratory analysis of the waste, please attach the analytical method used.

#### PART F - SHIPPING INFORMATION

**IS HAZARDOUS MATERIAL** - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER, and R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical / Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

**DISTRIBUTION OF COPIES** - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this copy to the address at the below-right.

**METHOD OF SHIPMENT** - If drums are specified, they must be as specified in 49 CFR 173, 178 or 179.

**ANTICIPATED VOLUME** - Gallons and cubic yards are emphasized as units of volume measurement. If another unit of measure must be used, indicate that unit.

**FREQUENCY** - The period during which the above ANTICIPATED VOLUME will be generated.

#### PART G - HAZARDOUS CHARACTERISTICS

**REACTIVITY - PYROPHORIC**: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE**: normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE**: capable of detonation or explosive reaction if subjected to a strong initiating source or if exposed under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE**: reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER**: indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).

**OTHER HAZARDOUS CHARACTERISTICS** - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE**: emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL**: a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE**: the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER**: list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).

**USEPA HAZARDOUS WASTE** - As defined in 40 CFR 261.1. If yes, enter applicable USEPA CODES.

**STATE HAZARDOUS MATERIAL** - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the STATE CODES.

#### PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

#### SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

(Generator)

(Analytical Lab)

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